

# **BEFORE STARTING THE STUDY IMPORTANCE OF GEOTECHNICAL ENGINEERING**

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## **Abstract**

Geotechnical study is very important from a very simple reason. If all other elements of a building (walls, columns, roof beams) can occur relatively easily, the foundation is extremely difficult and costly to intervene after it was built. Moreover, the study is attached to the book Geotechnical Engineering and Construction is one of the important legal documents when the property is provided or resold. Geotechnical study is a documentation technique that analyzes the stratification of land, the groundwater depth, optimum depth of the building foundation, bearing capacity of soil, providing the structural engineer designing the resistance necessary information to properly size the building foundation. In Romania is not yet given due importance to this study, Western Europe and the USA, insurance is extremely expensive in the absence of the geotechnical study and other documents of Construction Paper.

**Key words:** stabilizing a landslide, lands susceptible to wetting, geotechnical studies, soil bearing capacity